

FIG. 1

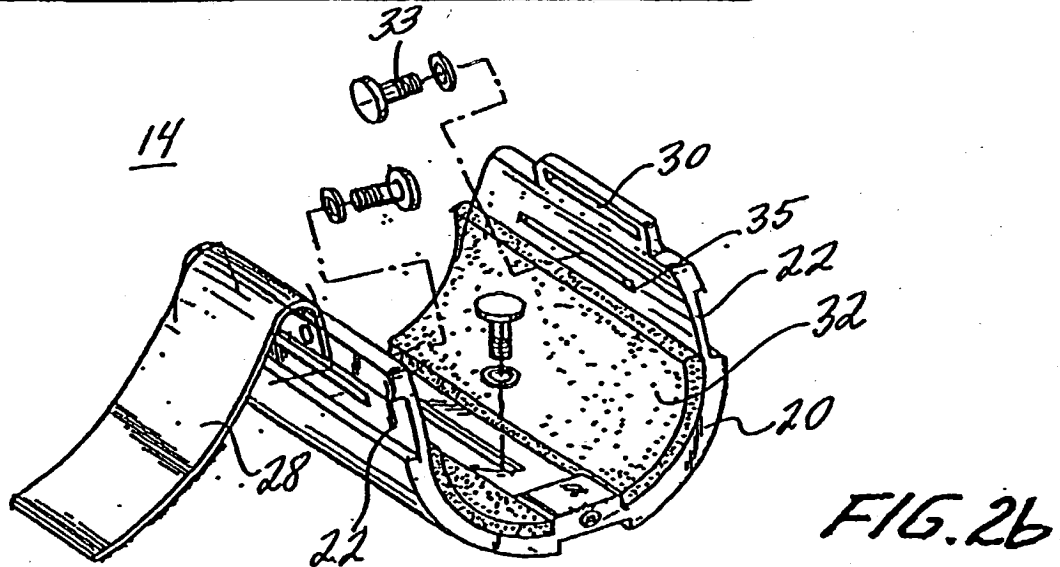
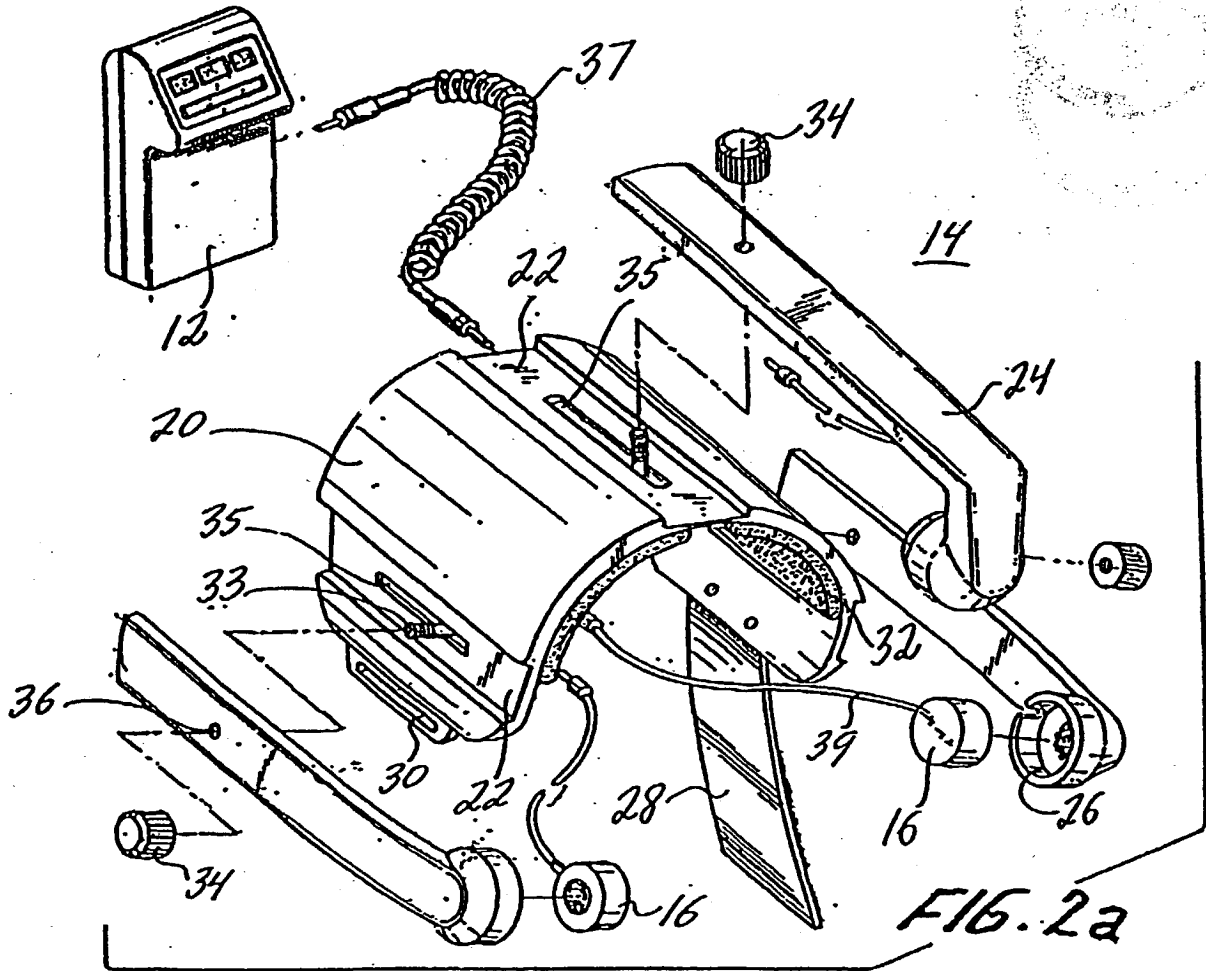
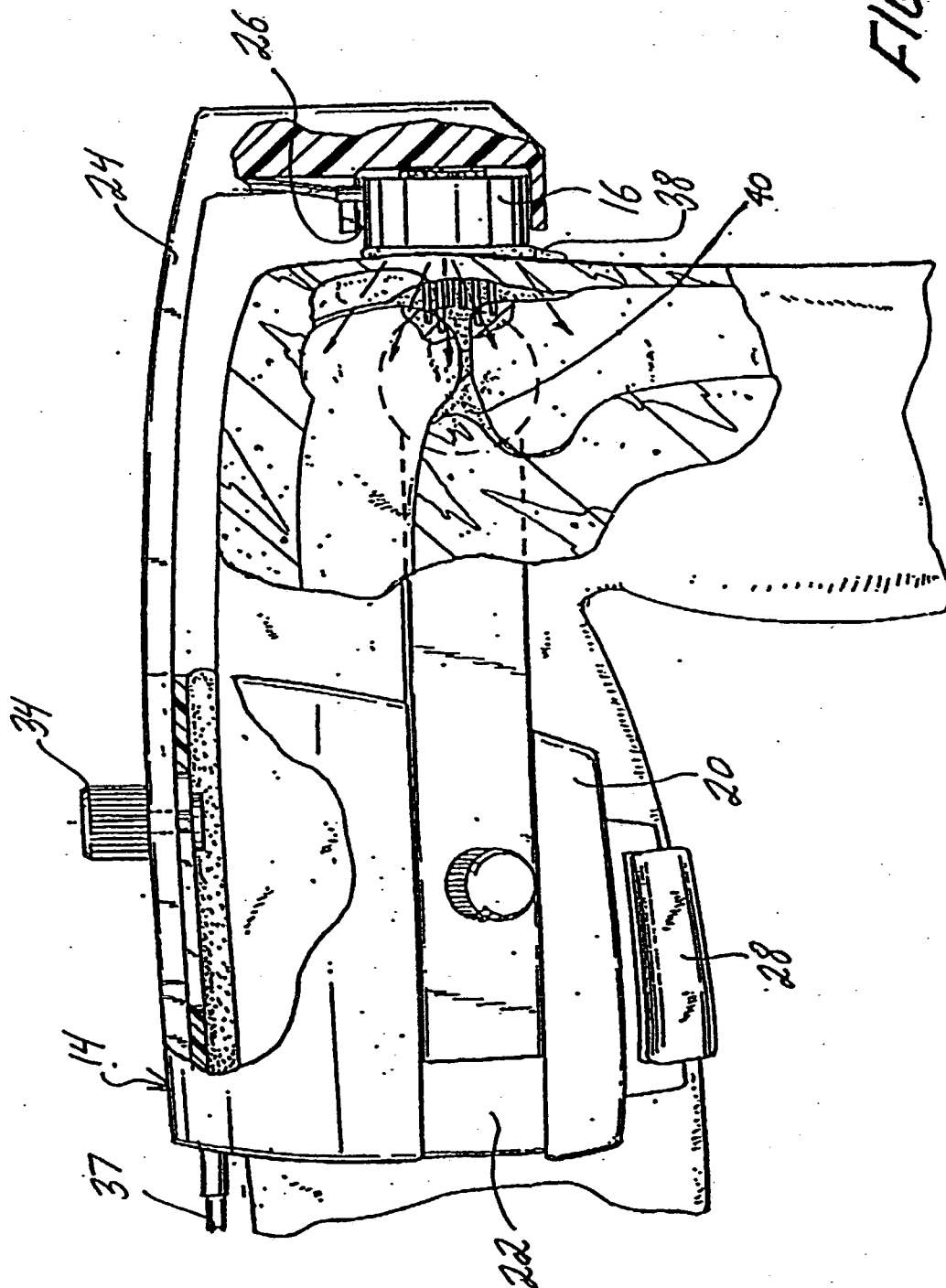
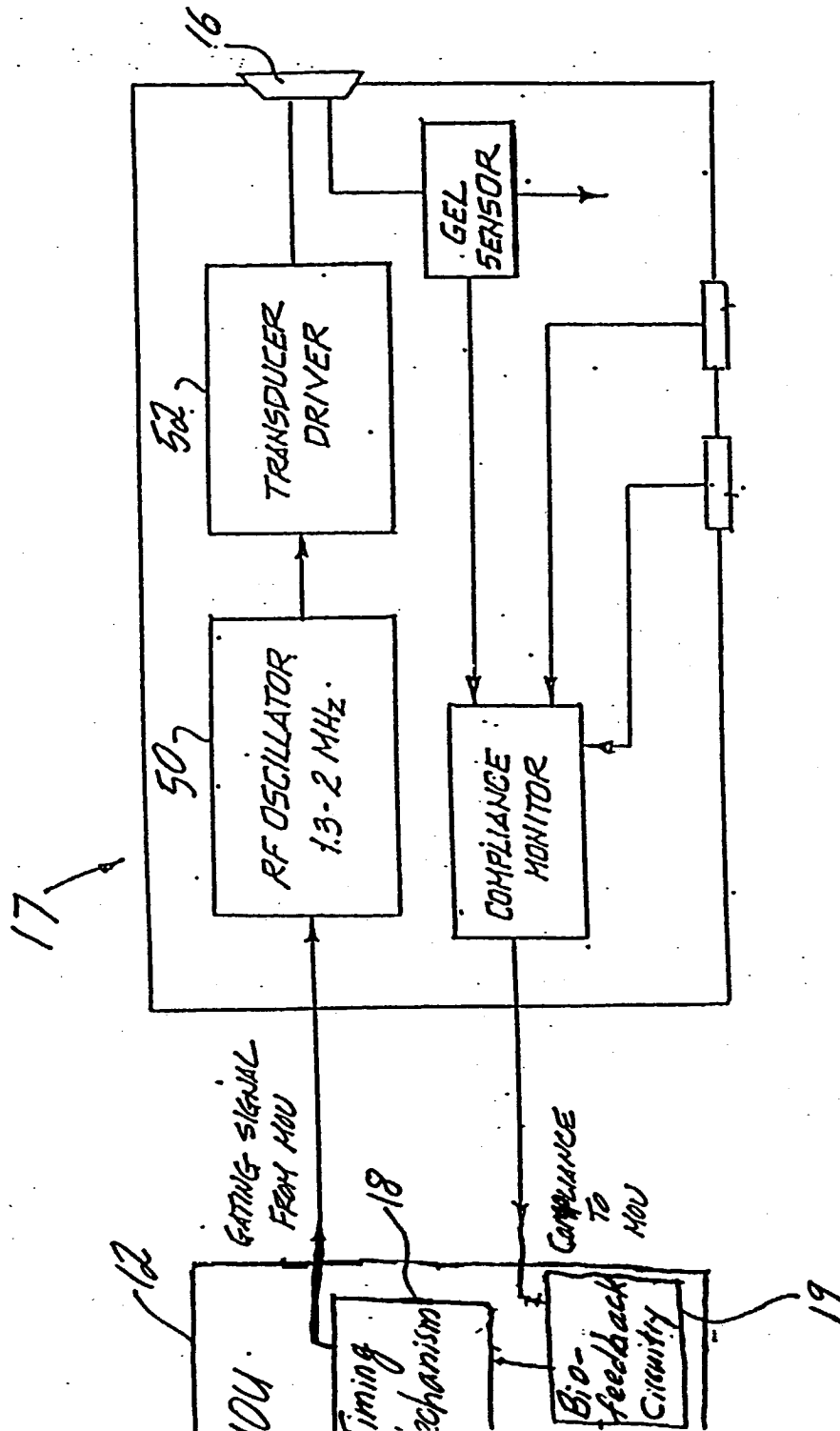
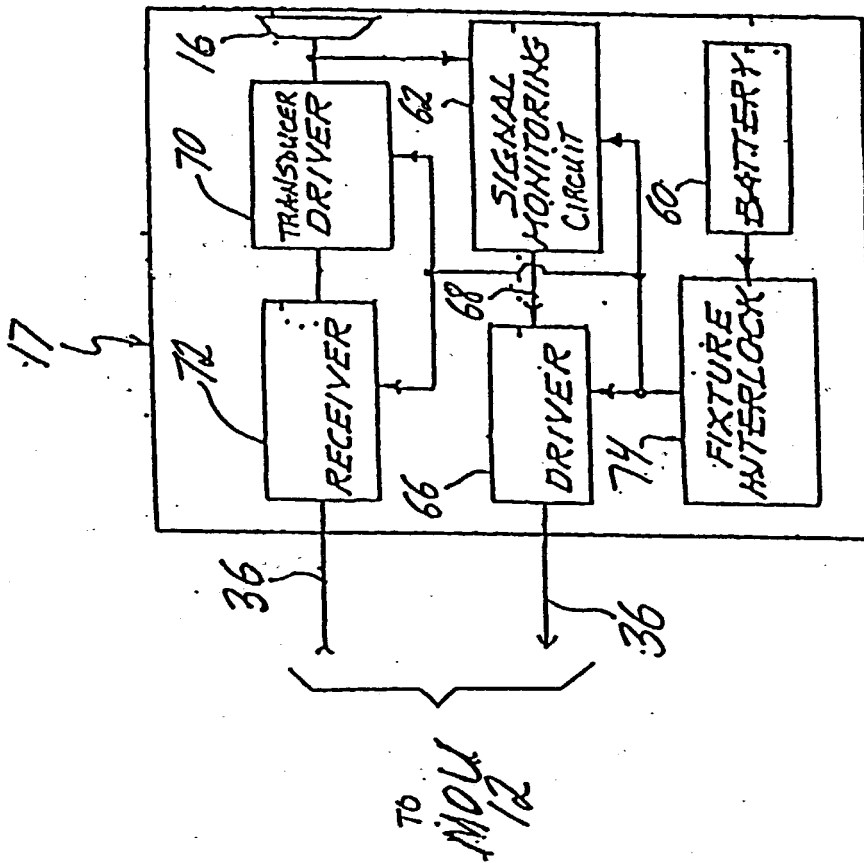


FIG. 3







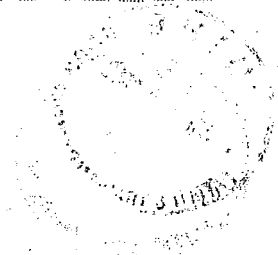


FIG. 5

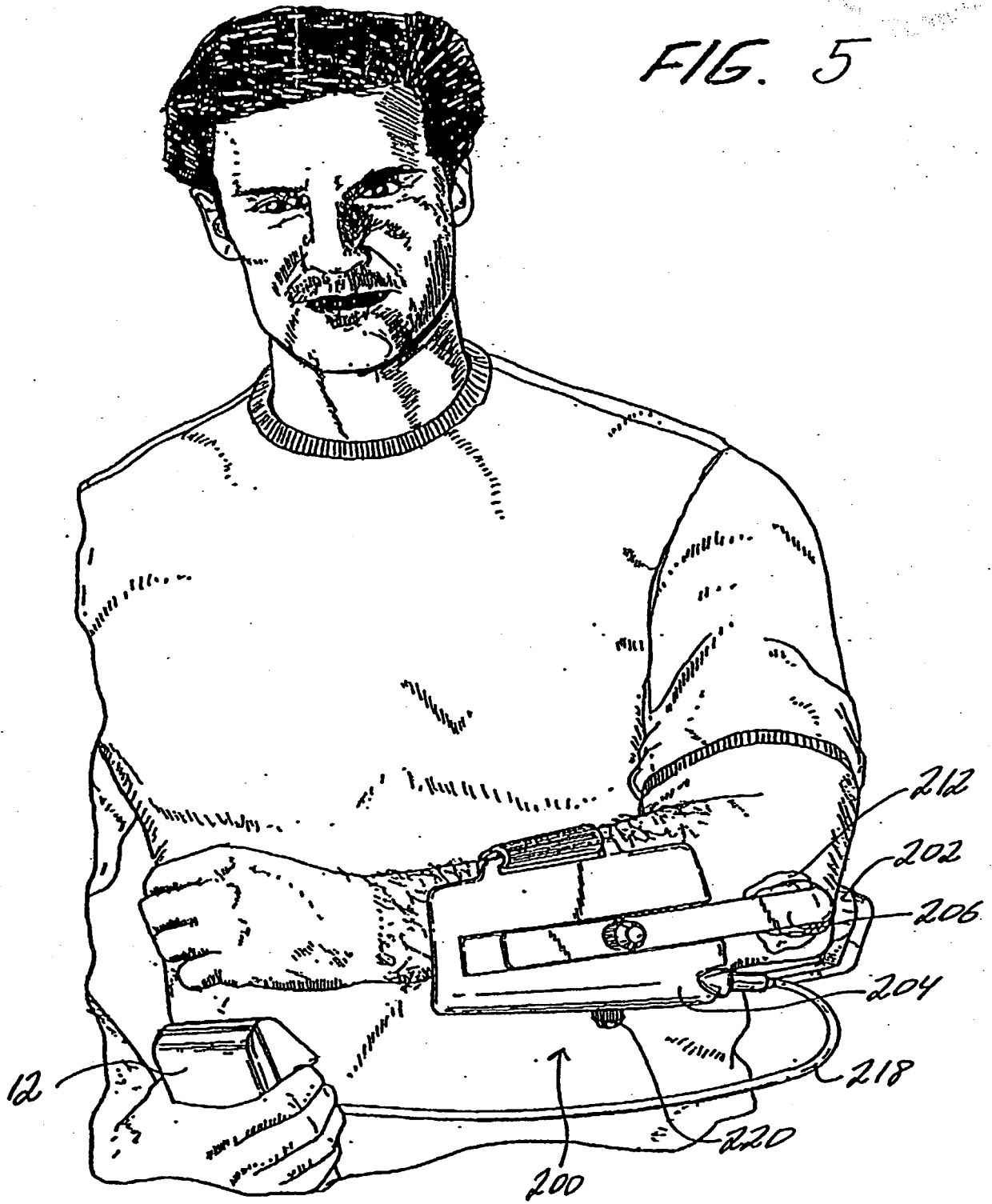


FIG. 6

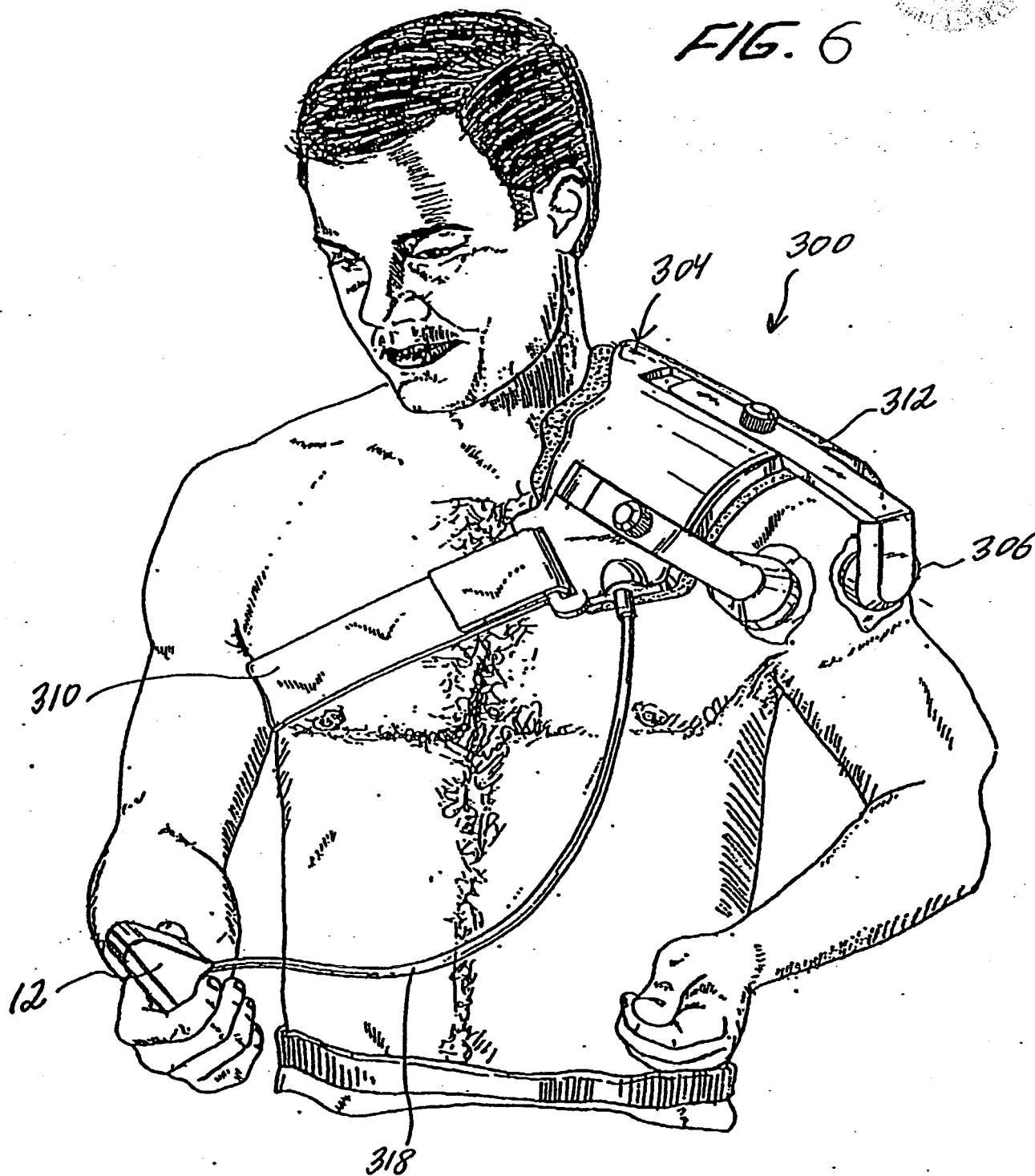
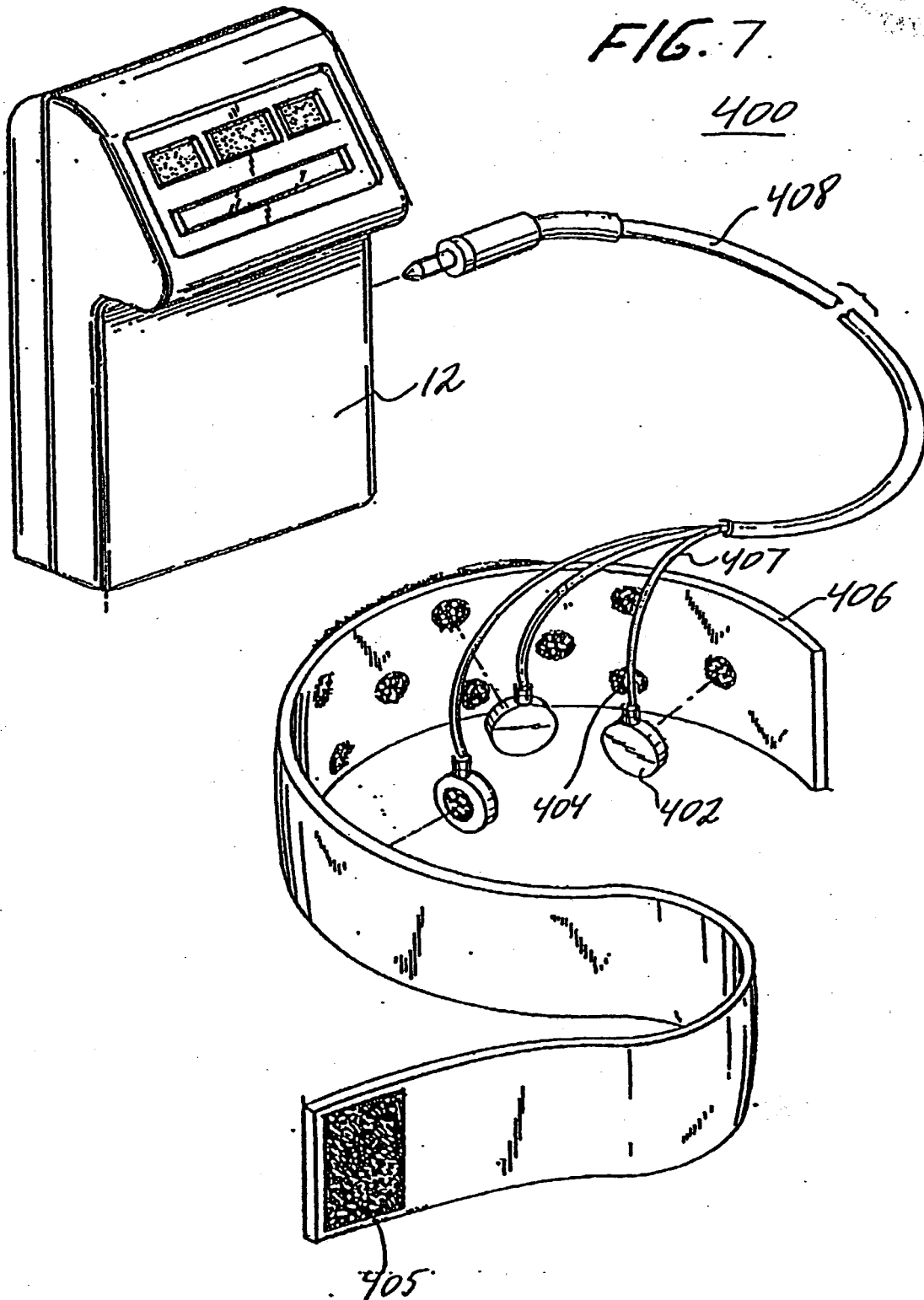




FIG. 7.





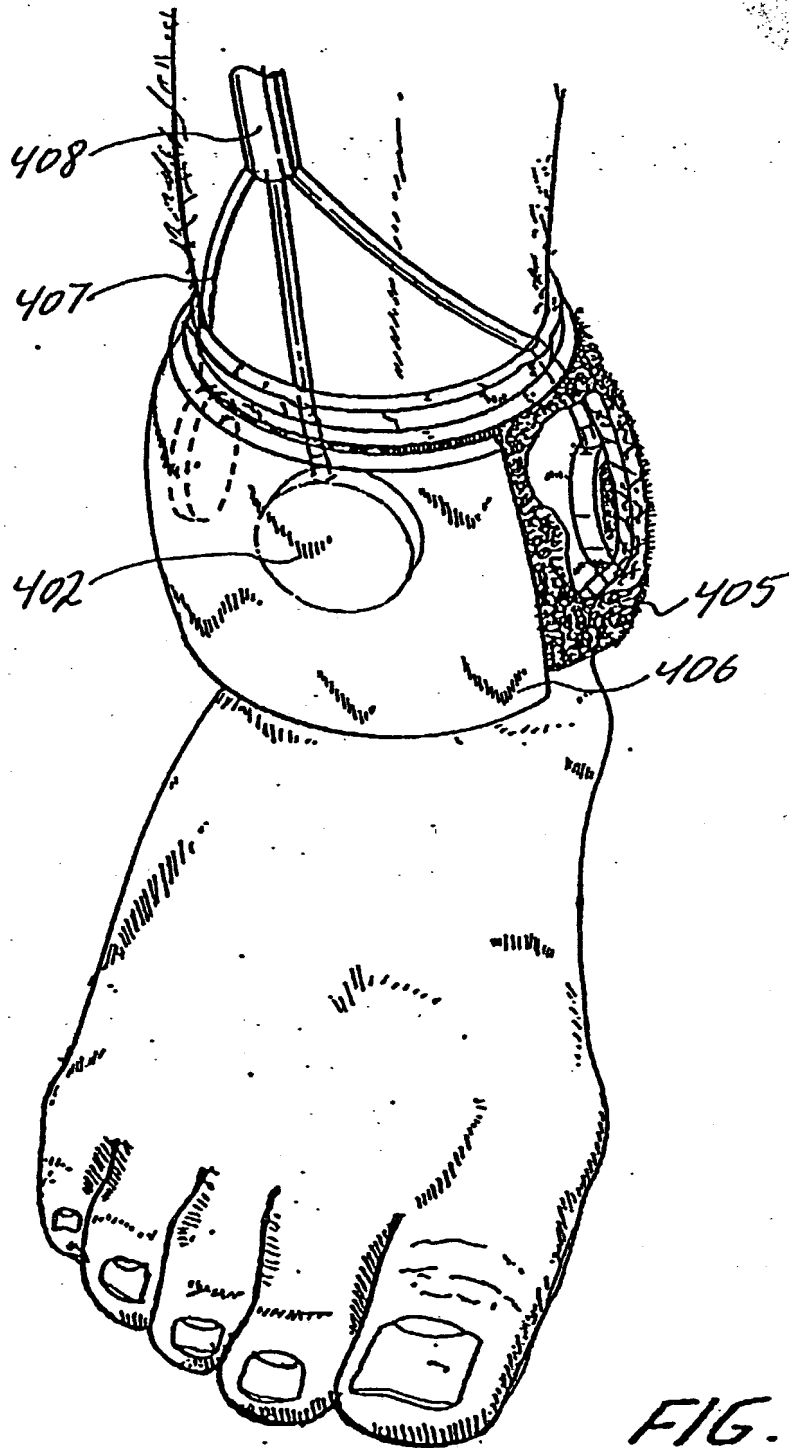


FIG. 8

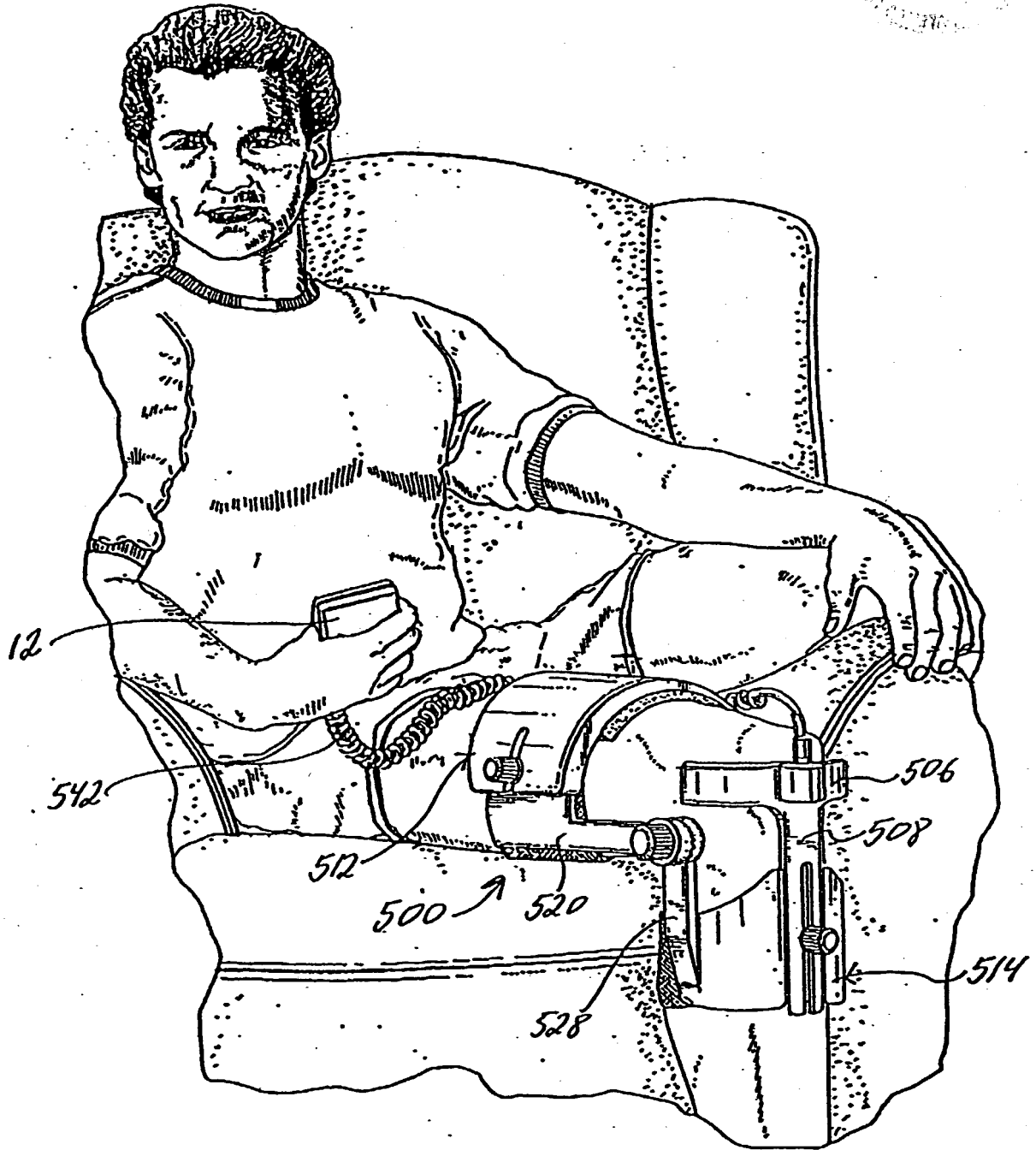
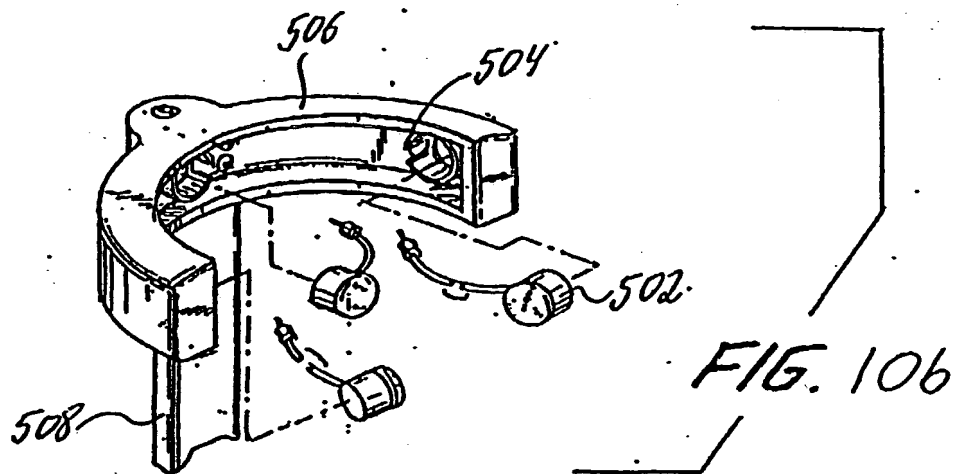
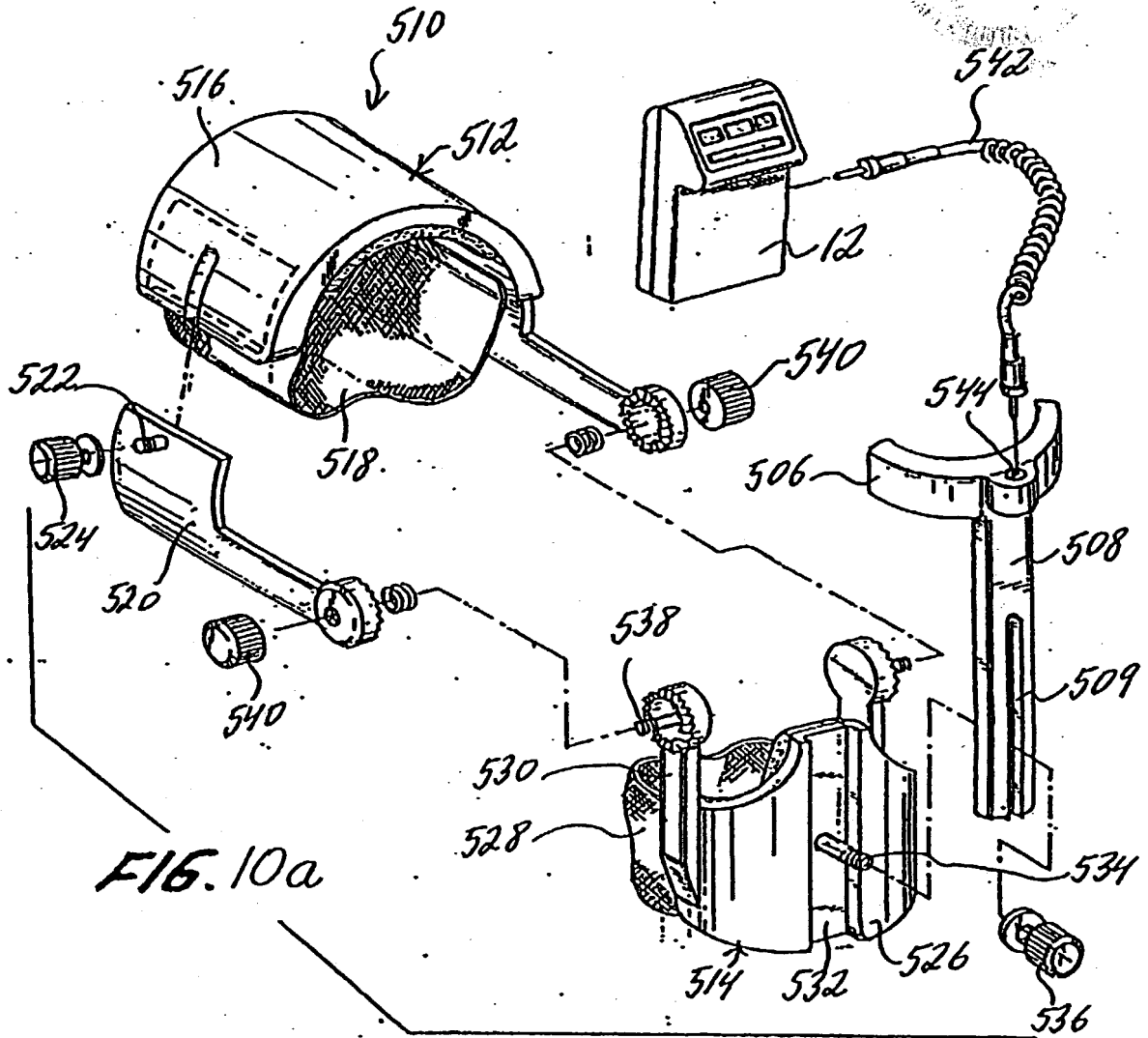


FIG. 9



A

**STIMULATING A RECONSTRUCTIVE  
HEALING RESPONSE AT THE  
OSTEOCHONDRAL INJURY SITE BY  
MECHANICALLY DRILLING, LASER  
DRILLING, ADMINISTERING  
CHEMICAL OR BIOCHEMICAL  
TREATMENTS, SCRAPING, ETC.**

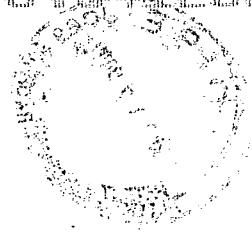
B

**IRRADIATING THE  
OSTEOCHONDRAL INJURY SITE  
WITH ULTRASONIC WAVES FOR A  
TIME SUFFICIENT TO ACCELERATE  
THE HEALING RESPONSE**

C

*Automatically terminating  
irradiation after a  
predetermined period of  
time*

FIG. 11A



**STIMULATING A RECONSTRUCTIVE  
HEALING RESPONSE AT THE  
OSTEOCHONDRAL INJURY SITE BY  
MECHANICALLY DRILLING, LASER  
DRILLING, ADMINISTERING  
CHEMICAL OR BIOCHEMICAL  
TREATMENTS, SCRAPING, ETC.**

A

**IRRADIATING THE  
OSTEOCHONDRAL INJURY SITE  
WITH ULTRASONIC WAVES FOR A  
TIME SUFFICIENT TO ACCELERATE  
THE HEALING RESPONSE**

B

*Monitoring the condition  
of the treatment site  
and regulating the  
signal characteristics  
of the ultrasonic waves  
accordingly*

B1

*Automatically terminating  
irradiation after a  
predetermined period of  
time*

C

FIG. 11B

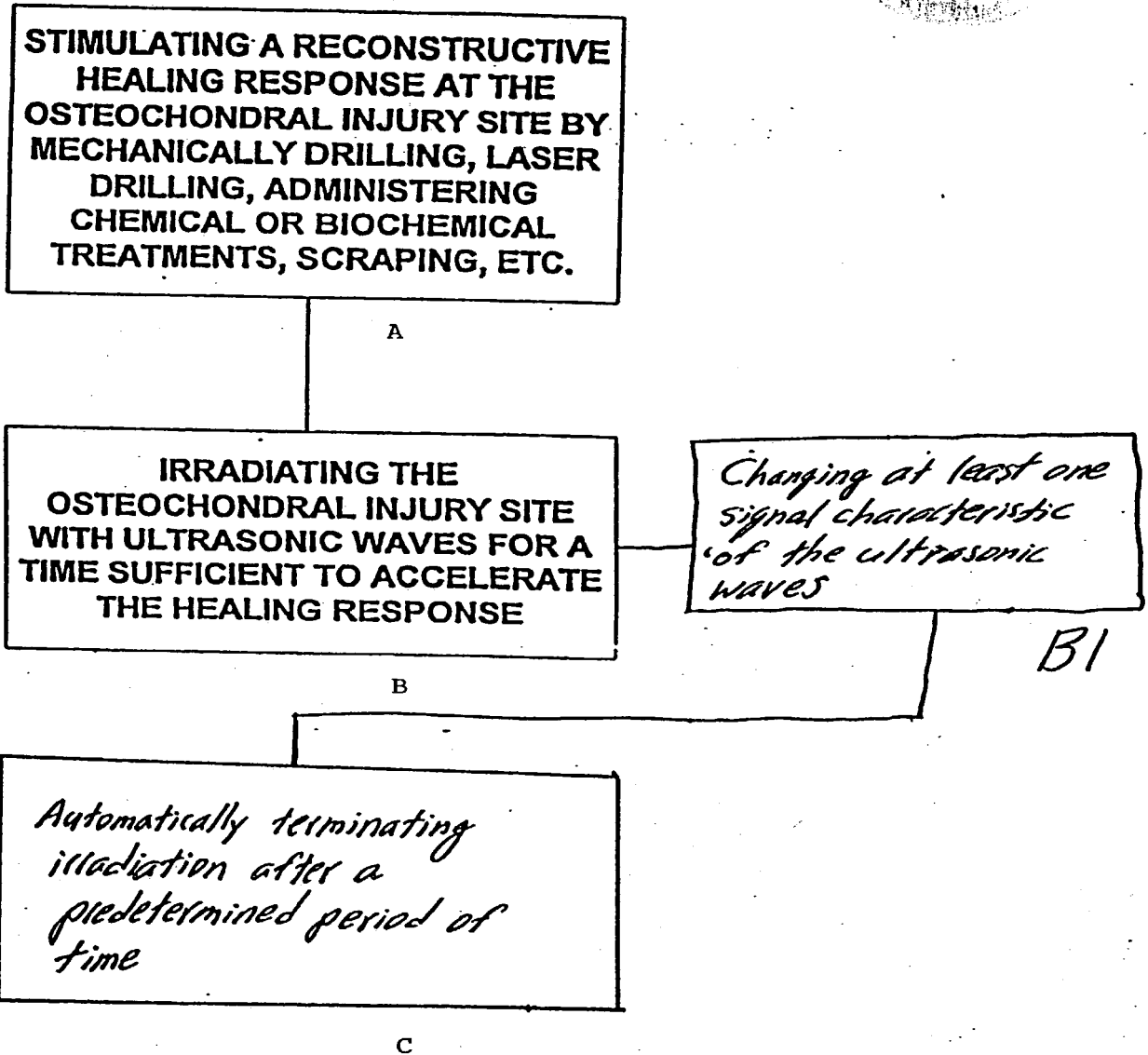


FIG. 11C

FIG. 12a

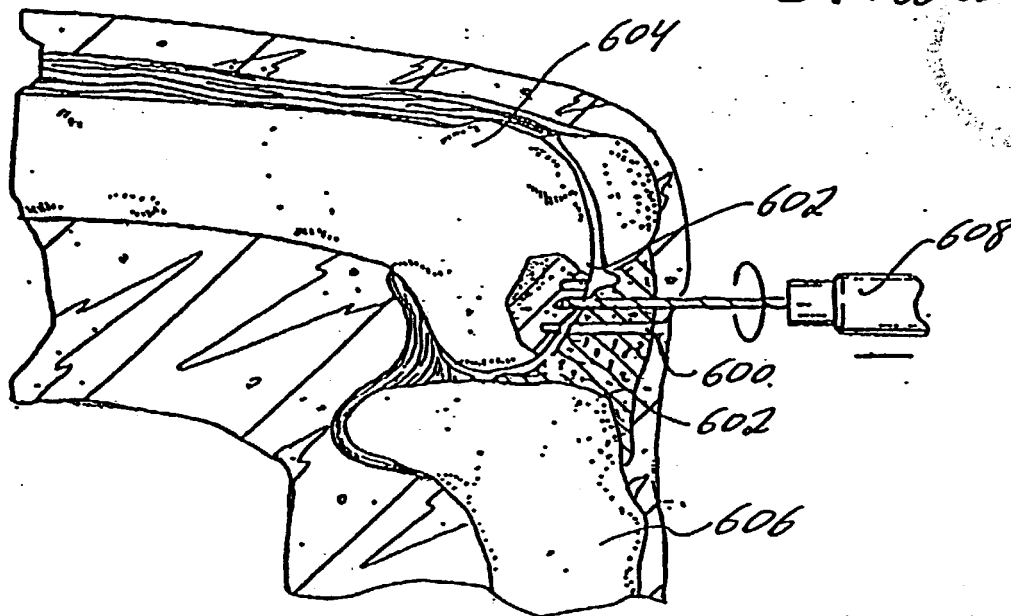
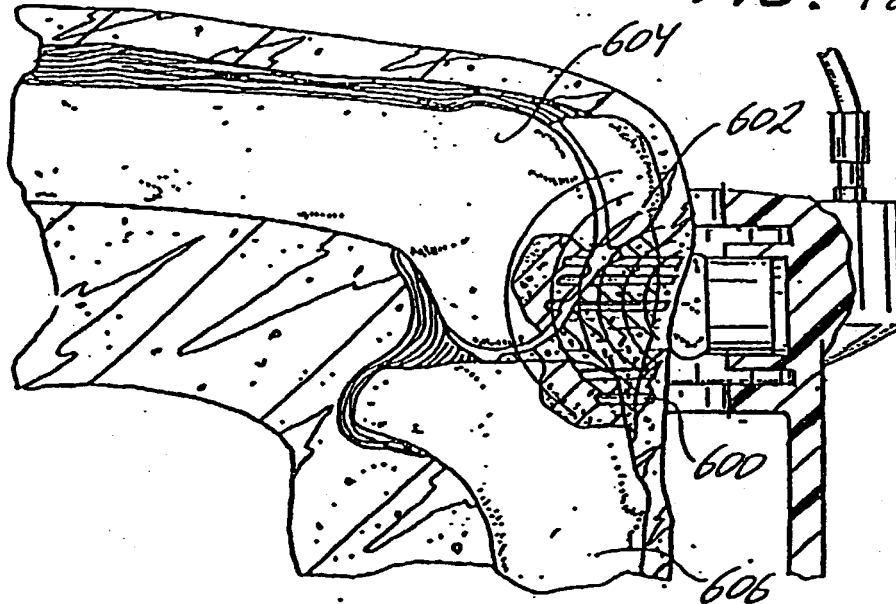


FIG. 12b



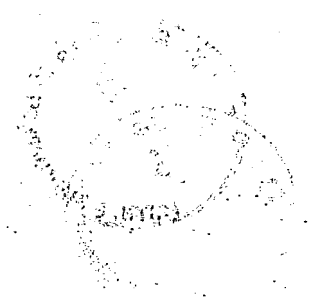


FIG.13A



FIG.13B



FIG.13C







FIG.14A



FIG.14C

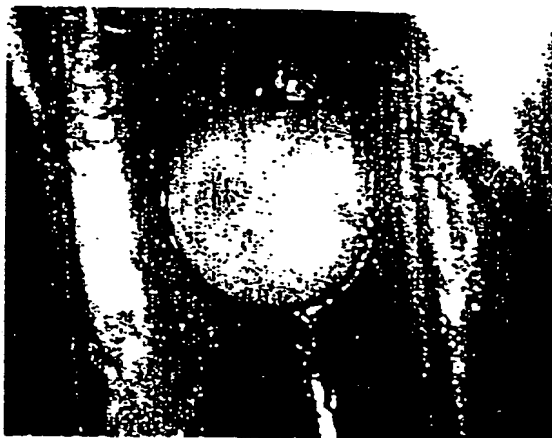
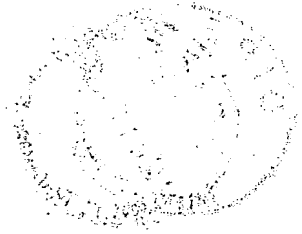


FIG.14B



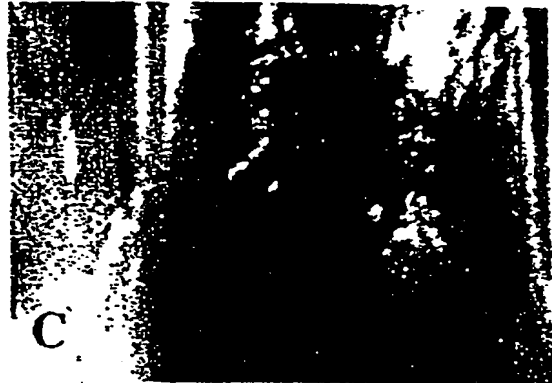
FIG.14D



**FIG.15A**



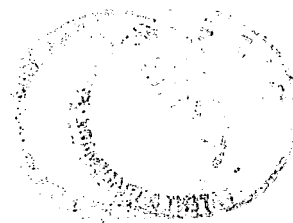
**FIG.15C**



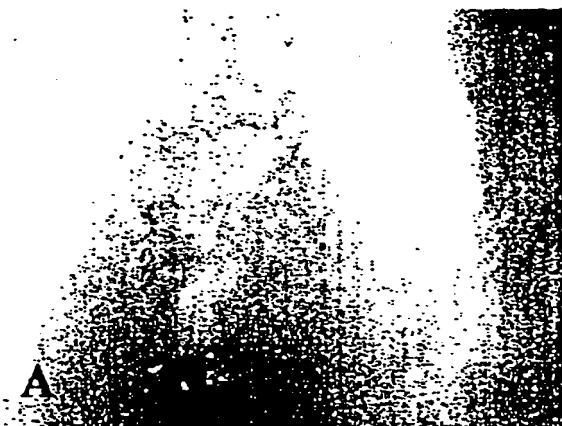
**FIG.15B**



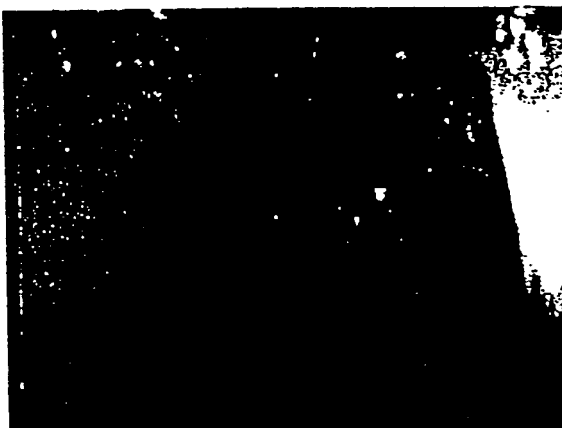
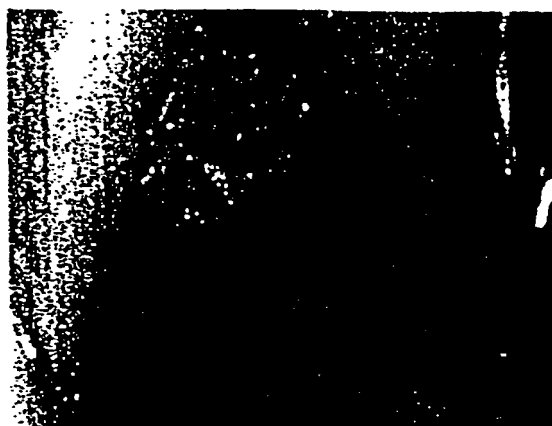
**FIG.15D**



**FIG. 16A**



**FIG. 16C**



**FIG. 16B**



**FIG. 16D**

FIG. 17A



FIG.17B





FIG.17C



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Filed: December 20, 2001  
For: Method and Apparatus for Cartilage  
Growth Stimulation  
Attorney: Bruce D. Gray, Esq.  
404.815.6218

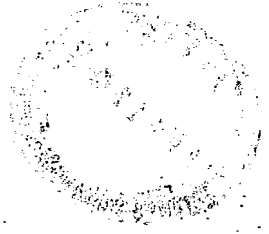
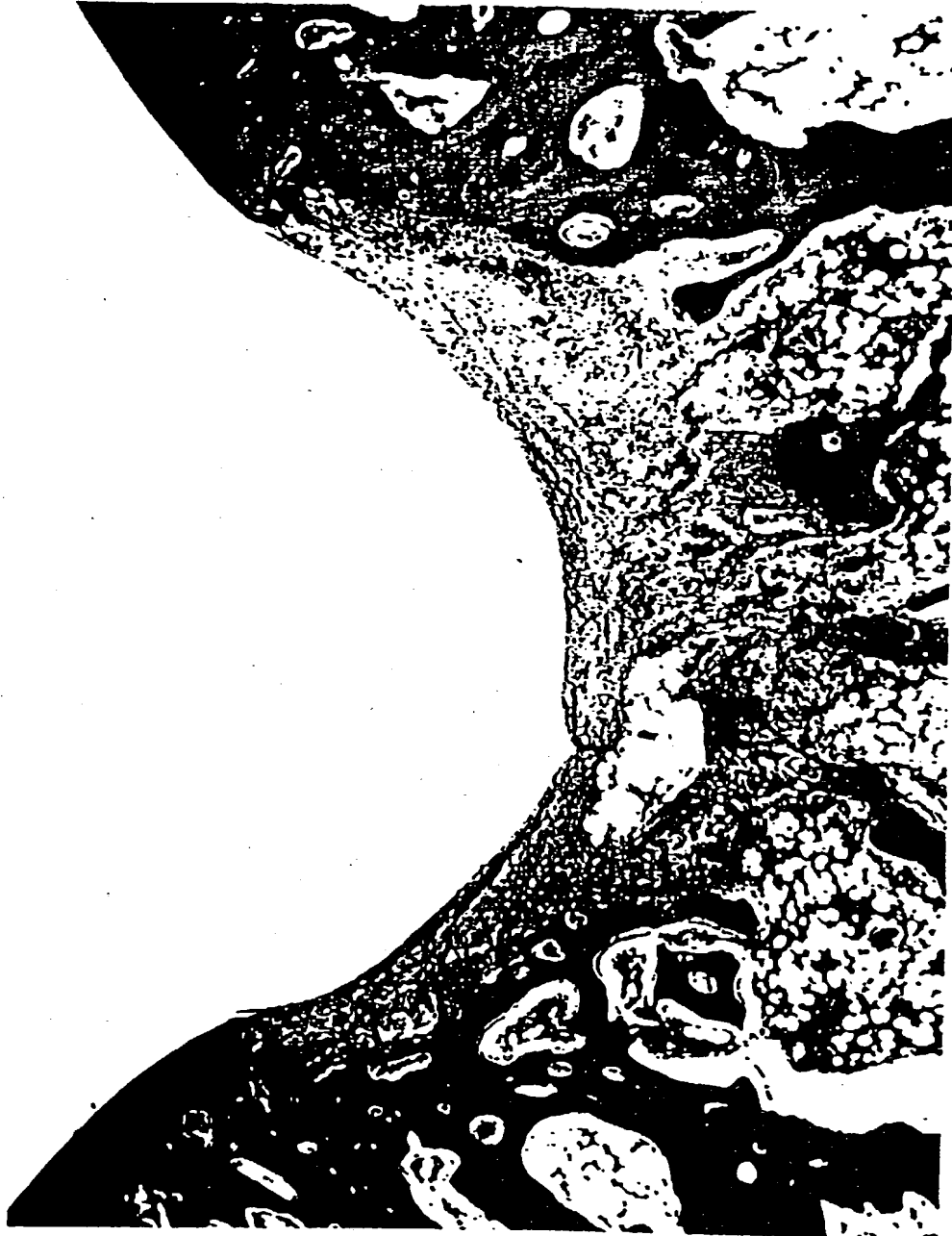


FIG.17D



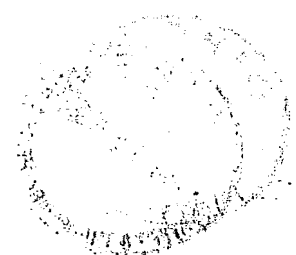


FIG. 18A





FIG. 18B



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Growth Stimulation  
Attorney: Bruce D. Gray, Esq.  
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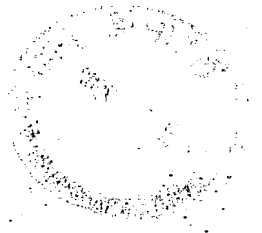


FIG.18C



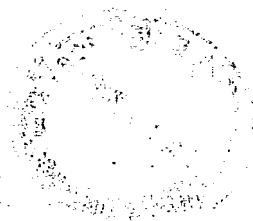


FIG.18D



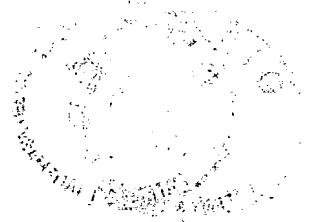


FIG. 19A



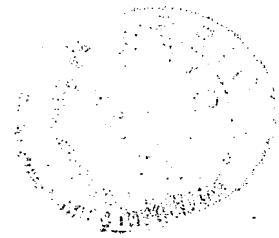


FIG. 19C



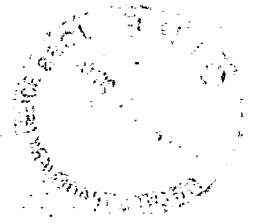
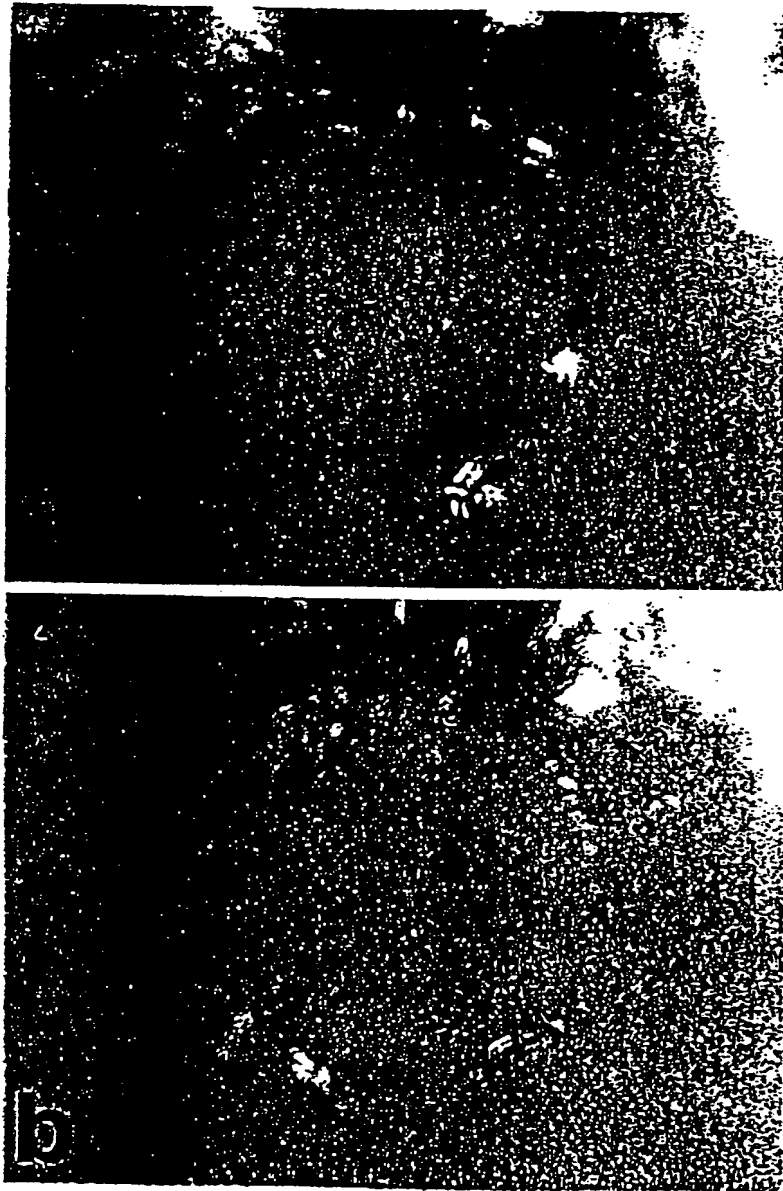
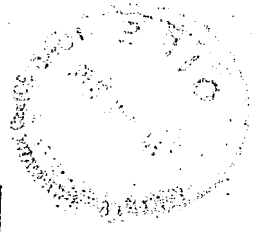
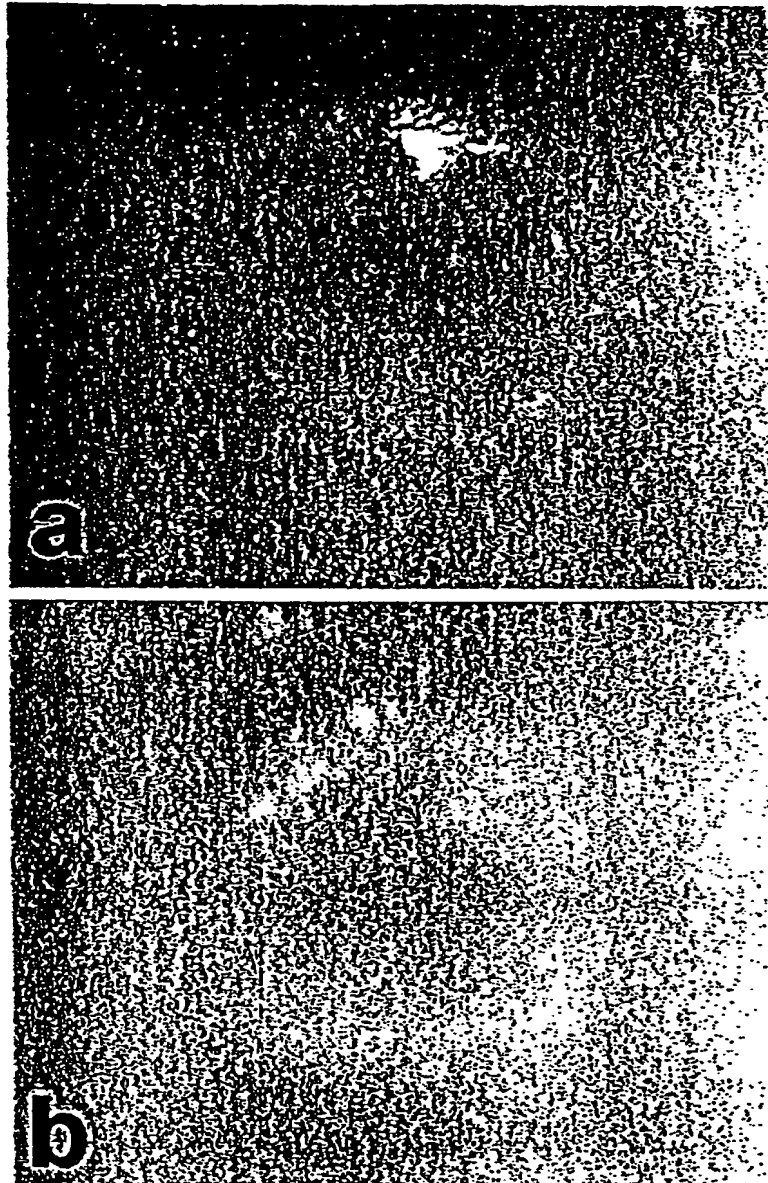


FIG.19D





*Fig. 20*



*Fig. 21*



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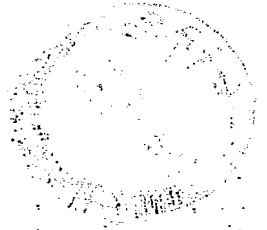
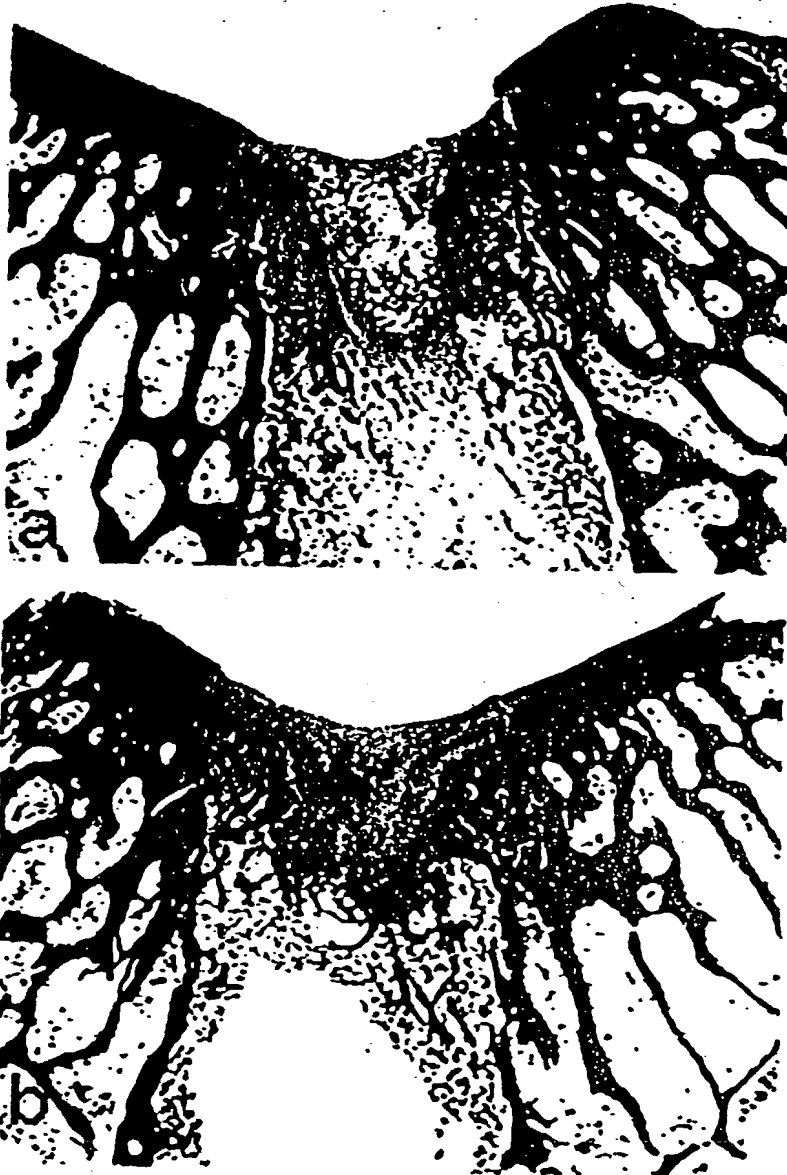
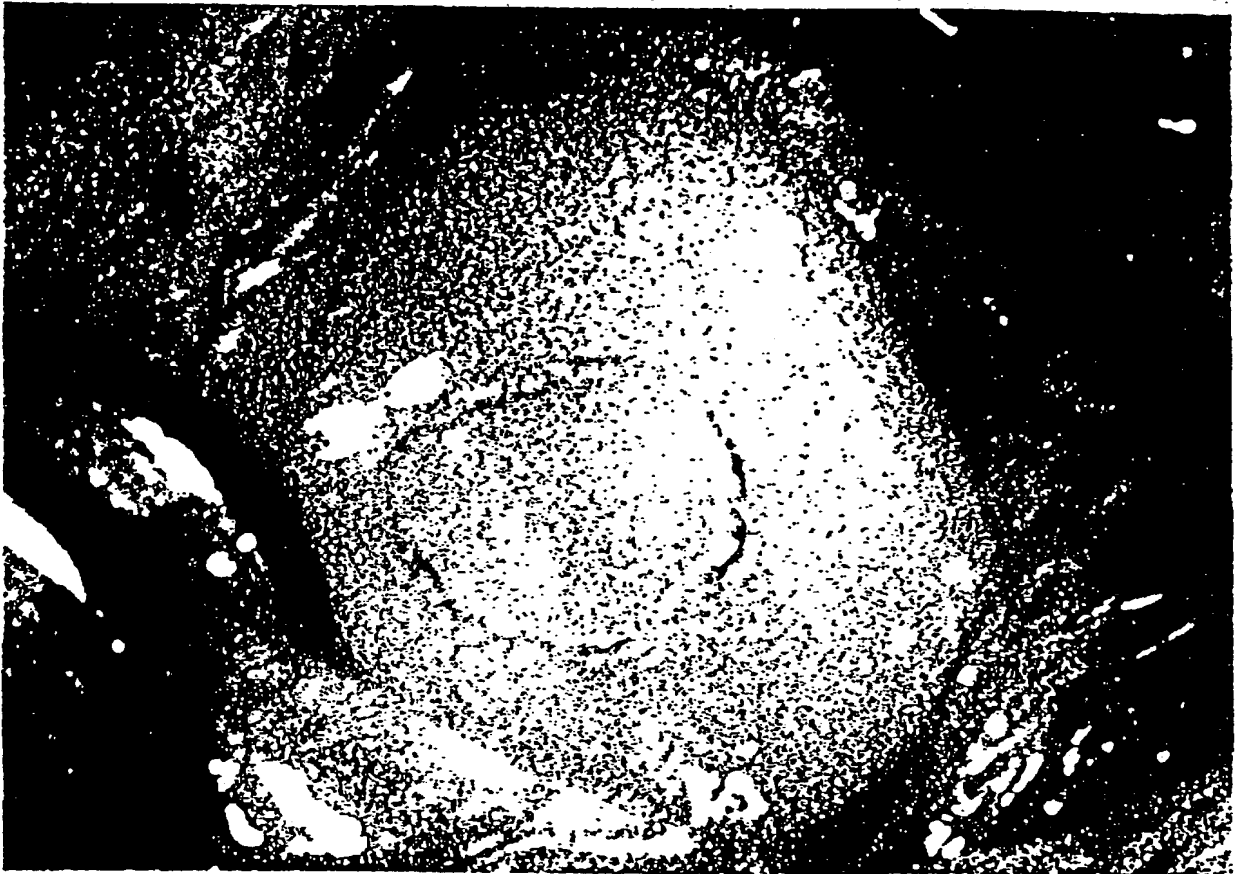


Fig. 22

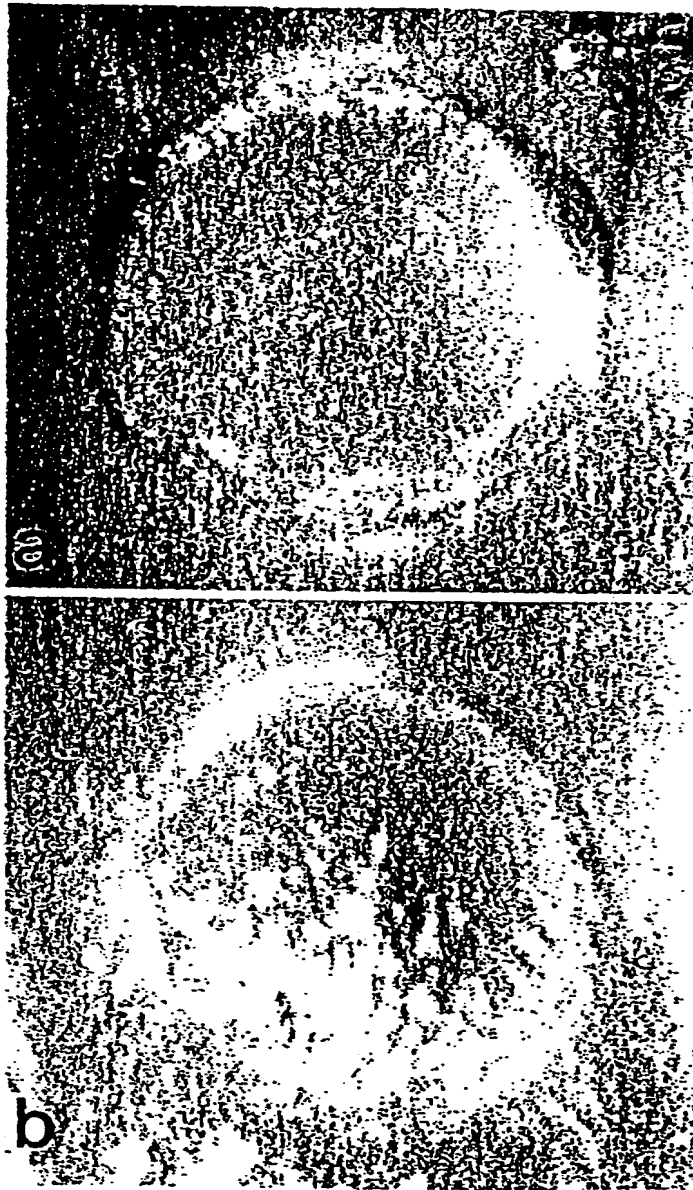
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Filed: December 20, 2001  
For: Method and Apparatus for Cartilage  
Growth Stimulation  
Attorney: Bruce D. Gray, Esq.  
404.815.6218



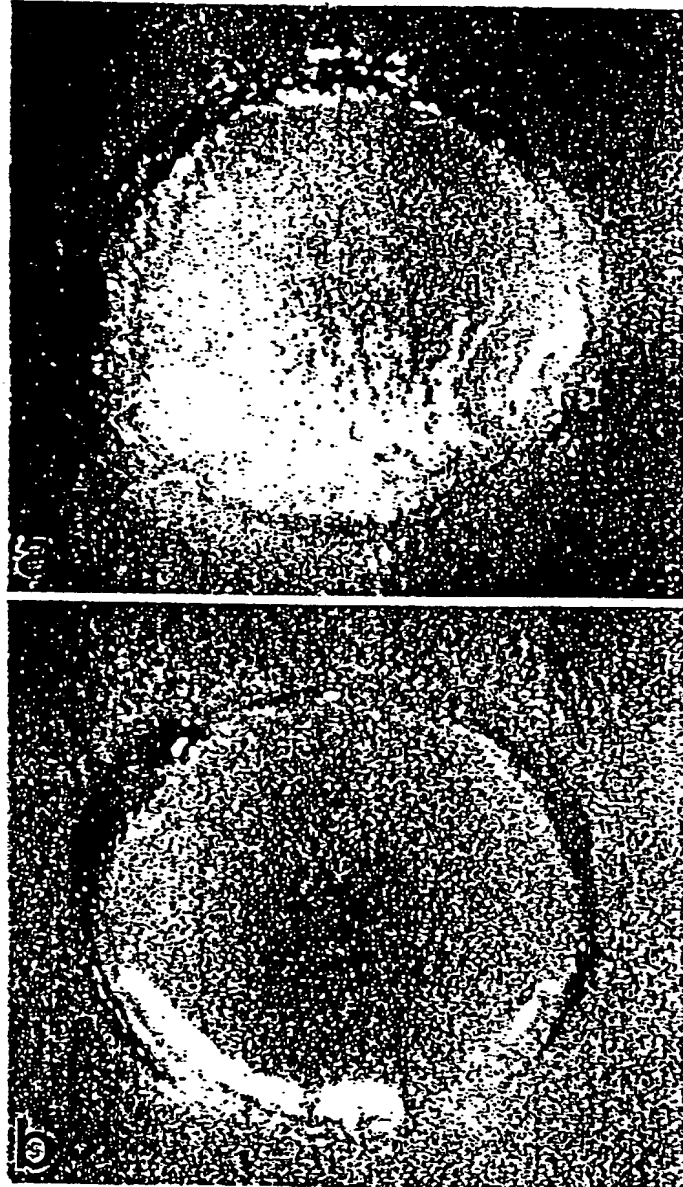
*Fig. 23*



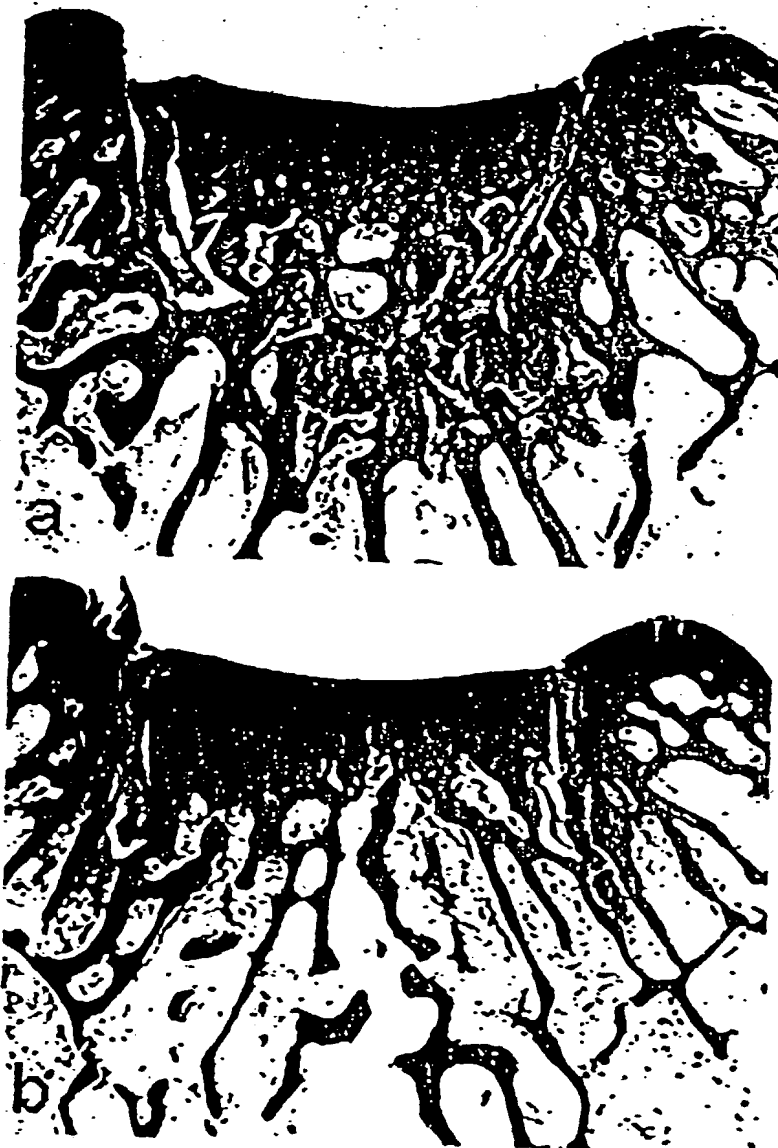
*Fig. 24*



*Fig. 25*



*Fig. 26*



*Fig. 27*



*Fig. 28*